

Appendix table 5-7

## Federally financed R&amp;D expenditures at academic institutions, by S&amp;E field and agency: FY 2009

Field	All agencies	DOD	DOE	HHS	NASA	NSF	USDA	Other
Current \$millions								
All fields	32,588	3,367	1,236	18,054	1,106	3,948	901	2,945
Science	27,551	1,760	814	17,585	818	3,068	856	2,246
Computer sciences	1,107	348	35	66	22	446	2	119
Environmental sciences	1,899	176	101	74	251	636	78	548
Atmospheric sciences	324	25	14	1	86	75	5	108
Earth sciences	648	52	69	13	131	196	54	131
Oceanography	713	80	6	17	19	314	5	250
Environmental sciences nec	213	18	12	43	15	51	14	59
Life sciences	19,326	607	177	16,075	77	587	726	977
Agricultural sciences	866	18	30	66	8	75	493	159
Biological sciences	6,622	171	108	5,324	35	435	183	291
Medical sciences	11,058	391	32	10,068	33	48	31	448
Life sciences nec	779	27	7	617	2	29	20	79
Mathematical sciences	369	58	13	35	4	208	3	21
Physical sciences	2,964	385	438	498	437	893	7	176
Astronomy	389	18	9	1	214	86	0	36
Chemistry	1,037	131	77	445	13	294	4	55
Physics	1,361	205	336	36	181	456	2	68
Physical sciences nec	177	31	17	16	29	57	1	17
Psychology	659	37	3	473	11	60	1	67
Social sciences	852	66	28	307	8	140	34	262
Economics	121	4	5	25	0	20	22	44
Political science	137	18	3	39	0	23	2	52
Sociology	202	4	0	125	0	34	4	32
Social sciences nec	392	40	19	119	8	62	6	135
Sciences nec	377	83	19	58	8	100	5	76
Engineering	5,036	1,606	422	465	288	875	44	697
Aeronautical/astronautical	431	172	10	4	107	14	0	46
Bioengineering/biomedical	385	51	8	252	4	36	10	25
Chemical	360	74	72	57	5	94	6	38
Civil	401	52	27	9	12	87	6	205
Electrical	1,200	542	37	52	31	263	1	81
Mechanical	801	277	120	33	30	116	2	85
Metallurgical/materials	389	177	48	11	8	98	1	45
Engineering nec	1,068	261	100	46	91	167	18	172
Percent distribution								
All fields	100.0	10.3	3.8	55.4	3.4	12.1	2.8	9.0
Science	100.0	6.4	3.0	63.8	3.0	11.1	3.1	8.2
Computer sciences	100.0	31.4	3.2	5.9	2.0	40.3	0.2	10.8
Environmental sciences	100.0	9.3	5.3	3.9	13.2	33.5	4.1	28.9
Atmospheric sciences	100.0	7.7	4.3	0.3	26.7	23.3	1.4	33.4
Earth sciences	100.0	8.1	10.6	2.0	20.2	30.2	8.4	20.1
Oceanography	100.0	11.3	0.8	2.4	2.7	43.9	0.7	35.1
Environmental sciences nec	100.0	8.5	5.7	20.1	7.0	23.8	6.6	27.6
Life sciences	100.0	3.1	0.9	83.2	0.4	3.0	3.8	5.1
Agricultural sciences	100.0	2.1	3.4	7.7	0.9	8.7	56.9	18.4
Biological sciences	100.0	2.6	1.6	80.4	0.5	6.6	2.8	4.4
Medical sciences	100.0	3.5	0.3	91.0	0.3	0.4	0.3	4.0
Life sciences nec	100.0	3.4	0.9	79.1	0.2	3.7	2.5	10.1
Mathematical sciences	100.0	15.8	3.5	9.5	1.1	56.4	0.9	5.7
Physical sciences	100.0	13.0	14.8	16.8	14.7	30.1	0.2	5.9
Astronomy	100.0	4.6	2.2	0.3	54.9	22.1	0.0	9.2
Chemistry	100.0	12.6	7.4	42.9	1.2	28.4	0.4	5.3
Physics	100.0	15.1	24.7	2.6	13.3	33.5	0.1	5.0
Physical sciences nec	100.0	17.7	9.4	8.9	16.6	32.0	0.7	9.5
Psychology	100.0	5.7	0.5	71.8	1.6	9.1	0.2	10.2
Social sciences	100.0	7.7	3.3	36.1	1.0	16.4	4.0	30.8

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## Federally financed R&amp;D expenditures at academic institutions, by S&amp;E field and agency: FY 2009

Field	All agencies	DOD	DOE	HHS	NASA	NSF	USDA	Other
Economics	100.0	3.1	4.1	20.7	0.3	16.7	18.0	35.9
Political science	100.0	13.0	2.2	28.3	0.2	17.2	1.4	37.7
Sociology	100.0	2.1	0.2	61.8	0.1	17.0	2.0	16.0
Social sciences nec	100.0	10.3	4.9	30.3	1.9	15.7	1.6	34.3
Sciences nec	100.0	21.9	5.2	15.4	2.2	26.4	1.2	20.1
Engineering	100.0	31.9	8.4	9.2	5.7	17.4	0.9	13.8
Aeronautical/astronautical	100.0	39.9	2.4	0.9	24.9	3.2	0.1	10.6
Bioengineering/biomedical	100.0	13.1	2.1	65.5	1.0	9.2	2.6	6.5
Chemical	100.0	20.6	20.0	15.8	1.3	26.1	1.7	10.6
Civil	100.0	13.0	6.8	2.3	3.0	21.8	1.5	51.1
Electrical	100.0	45.1	3.0	4.3	2.6	21.9	0.1	6.8
Mechanical	100.0	34.6	15.0	4.2	3.7	14.5	0.3	10.6
Metallurgical/materials	100.0	45.5	12.3	2.9	2.1	25.2	0.3	11.7
Engineering nec	100.0	24.4	9.3	4.3	8.5	15.6	1.7	16.1

nec = not elsewhere classified

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture

NOTES: "Other" includes all other agencies reported. Detail may not add to total because some institutions unable to provide complete agency data by field. Data not adjusted for nonresponse.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Research and Development Expenditures at Universities and Colleges: FY 2009.

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